

LESSIG, Y₀.N.

Calibration of volume and empty space in tanks and vessels with
cylindrical bottoms. Neft. khoz. 35 no.9:59-63 S '57. (MIRA 11:1)
(Tanks)

LESSIG, Ye.N., dots., kand.tekhn.nauk

Statical calculation of nonsymmetrical loads on underground horizontal closed cylindrical structures, taking into account their spatial action. Nauch.dokl.vys.shkoly; stroi. no.1:64-72 ' 58.

(MIRA 12:1)

1. Rekomendovana kafedroy stal'nykh i derevyannykh konstruktsiy Moskovskogo instituta inzhenerov gorodskogo stroitel'stva Mosgorispolkoma.
(Elastic plates and shells)

LESSIG, Ye.N. (Moskva)

Designing grate diaphragms of horizontal cylindrical tanks.
Stroi. mekh. i rasch. soor. 1 no.4:18-21 '59. (MIRA 12:10)
(Tanks)

LESSIG, Ye.N., dotsent, kand. tekhn. nauk

Reviewing the catalog "Welded container equipment".

Khim. mash. 3 no.3:47-48 My-Je '59.

(MIRA 12:12)

(Chemical apparatus--Welding)

29 (2)

SOV/115-59-10-19/29

AUTHOR: Lessig, Ye.N.

TITLE: Centimeter Calibration of Horizontal Reservoirs With Cylindrical Bottoms

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 10, pp 45-46 (USSR)

ABSTRACT: The author describes a volumetric method for the calibration of horizontal reservoirs with cylindrical bottoms. The experimental research by the VNIIST Glavgaza SSSR (VNIIST of the Glavgas USSR) and MIIGS Mosgorispolkoma (MIIGS of the Mosgorispolkom) proved that 50.75 and 100-cu m reservoirs can be filled under a up to 0.7 kg/sq cm pressure. Production of 150-cu m reservoirs is planned. The author gives (see table) the Kts.d. filling coefficient of cylindrical bottoms in function of the ratio between the H height of the filling of a reservoir and its D diameter. The volume of the liquid at any given level of both cylindrical bottoms is

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$$V_{z.d.} = \frac{8}{3} R^3 - 4y \left(R^2 - \frac{y^2}{3} \right) \quad (1)$$

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Centimeter Calibration of Horizontal Reservoirs With Cylindrical Bottoms

where R is the internal radius of a cylindrical bottom and y the vertical distance between the axis of the reservoir and the surface of the liquid, positive down and negative up. If the volume of the liquid is expressed by the filling coefficient $K_{ts.d.}$ in function of the y coordinate (Fig 1) then

$$K_{ts.d.} = 0.5 - 0.75 \frac{y (R^2 - \frac{y^2}{3})}{R^3} \quad (2)$$

The volume of the liquid in the cylindrical bottom is

$$V_{z.d.} = 2 K_{ts.d.} V_{ts.d.} \quad (3)$$

Where $V_{ts.d.}$ the volume of one cylindrical equals $= \frac{8}{3} R^3$ and $K_{ts.d.}$ the filling coefficient calculated from the equation (2). Its value in function of the $\frac{H}{D}$ ratio can be taken from the table computed by the author and included in the article. There is 1 diagram and 1 table.

Card 2/2

LESSIG, Ye.N., kand.tekhn.nauk

"Steel structures" by N.D.Zhudin. Reviewed by E.N.Lessig. Nov.
tekhn.mont.i spets.rab.v stroi. 21 no.5:31-32 My '59.
(MIRA 12:7)

(Building, Iron and steel)
(Zhudin, N.D.)

KIRSANOV, Nikolay Mikhaylovich; LESSIG, Ye.N., kand.tekhn.nauk, retsenzent;
MORACHEVSKIY, T.N., kand.tekhn.nauk, retsenzent; VOLKOV, A.G.,
red.izd-va; KRIVNEVA, V.Ye., tekhn.red.

[Using aluminum alloys in construction; resumé of a lecture]
Primenenie aluminievyykh splavov v stroitel'stve; konspekt lektsii.
Voronezh, Izd-vo Voronezhskogo univ., 1960. 55 p. (MIRA 13:6)
(Aluminum alloys)

LESSIG, Ye.N.

Centimeter calibration of underground horizontal tanks with
cylindrical bottoms. Izv.tekh. no.12:52-53 D '60.
(MIRA 13:11)

(Calibration)

(Tanks)

LESSIG, HEN.

PHASE I BOOK EXPLOITATION

SOV/5854

Streletskiy, Nikolay Stanislavovich, Corresponding Member, Academy of Sciences USSR, Professor, Member of the Academy of Construction and Architecture of the USSR; A. N. Geniyev, Professor; Ye. I. Belenya, Doctor of Technical Sciences, Professor; V. A. Baldin, Candidate of Technical Sciences, Docent; and Ye. N. Lessig, Candidate of Technical Sciences, Docent

Metallicheskiye konstruktsii (Metallic Structures) 3rd ed., rev. Moscow, Gosstroyizdat, 1961. 776 p. Errata slip inserted. 70,000 copies printed.

Scientific Ed.: S. M. Tubin, Candidate of Technical Sciences; Ed. of Publishing House: T. V. Goryacheva; Tech. Ed.: P. G. Gilenson.

PURPOSE: This book was approved by the Ministry of Higher and Secondary Specialized Education USSR as a textbook for civil engineering schools of higher education; it may also be used as a manual by engineers and aspirants.

COVERAGE: The following basic problems in designing metallic structures are discussed: the load-carrying ability of the material and joints; calculation

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Metallic Structures

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methods; arrangement of constructional elements and complexes of industrial and civil buildings with metal frames; large-span buildings; sheet and plate structures; pipelines; and electric-powerline supports. Also discussed are fundamentals of the economics of steel structures and of the use of structural aluminum. Modern types of prestressed constructions (metallic, steel-reinforced concrete, steel-rope, etc.) are also considered. The limit-state methods used are in accordance with SNiP; substantiation for new engineering design specifications is given. The book was written as follows: N. S. Streletskiy, the Introduction and Chs. I, II, III, V, VI, and XXVI; A. N. Geniyev, Ch. XI through XVII; V. A. Baldin, Ch. VIII; Ye. I. Belenya, Chs. IV, IX, X, and XVIII; and Ye. N. Lesaig, Chs. VII and XIX through XXV. There are no references.

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S/184/61/000/001/004/014
A104/A029

AUTHOR: Lessig, Ye. N., Candidate of Technical Sciences

TITLE: Design and Calculation of Supporting Frames of Horizontal High-Capacity Reservoirs

PERIODICAL: Khimicheskoye Mashinostroyeniye, 1961, No. 1, pp. 27-28

TEXT: The proposed capacity increase in reservoirs used in the chemical industry is discussed. ГОСТ 8932-58 (GOST 8932-58) deals with the use of 125, 160 and 200 m³ welded reservoirs. In order to reduce the weight of supports and make their cold rolling possible the author developed a new type of supporting frames for 100-200 m³ capacity reservoirs shown in Fig. 2. It was assumed that the reservoir is supported by two saddle support frames with girth angles of $2\alpha=90^\circ$. Fig. 3 shows the load distribution upon the supports. The displacement force of the hydrostatic pressure of the liquid in the bearing section of the body is determined as $T = \frac{1}{2} \gamma r l \sin \theta$; where γ - specific gravity of the liquid, r - radius of the container, l - design length of the container and θ - angle coordinate. The intensity of the reactive pressure of the saddle supports

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A104/A029

Design and Calculation of Supporting Frames of Horizontal High-Capacity Reservoirs

at point φ is $q = \frac{\pi \gamma r l}{\sin 2\alpha + 2\alpha} \cos (\alpha - \varphi)$ (1). At a girth angle of $2\alpha = \frac{\pi}{2}$ the reactive pressure of the support is $q = \frac{\pi \gamma r l}{1 + \frac{\pi}{2}} \cos (\frac{\pi}{4} - \varphi)$. The

basic calculation of the supporting system shown in Fig. 4 gives the bending moment in the upper section of the supporting frames X_1 ; the axial force of the same section X_2 ; the force in the appropriate pivots X_3 , X_4 , X_5 and X_6 . The definite displacement and joint solution of the canonic equations provided the following values of unknown quantities with respect to the hydrostatic pressure: $X_1 = -0.01731 \gamma r^3 l$; $X_2 = -0.09205 \gamma r^2 l$; $X_3 = 0.4412 \gamma r^2 l$; $X_4 = -0.09391 \gamma r^2 l$; $X_5 = 0.1968 \gamma r^2 l$; $X_6 = -0.1463 \gamma r^2 l$. The diagram of the bending moments M , the shearing force Q and the axial force N in the support with a saddle of 90° is shown in Fig. 5. For the calculation of the hydrostatic pressure moment of the liquid the ordinates

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Design and Calculation of Supporting Frames of Horizontal High-Capacity Reservoirs

should be multiplied by γr^3_1 and the ordinates of the shearing and axial forces by γr^2_1 . In calculations of the proper weight the multiplier γr^3_1 is replaced by $2 gr^2_1$ and the multiplier γr^2_1 by $2gr_1$. $g = \frac{G}{2r_1}$ is the weight per unit of the shell and G - total weight of the empty reservoir plus equipment. The same principle applies to the force in pivots. The radial coordinates of all diagrams shown in Fig. 5 were calculated with regard to values of angle coordinates equal to 0; 30, 45, 60, 90, 120, 135, 150 and 180°. The section of the support is selected based on the diagram of moments and axial forces. Plastic deformations should be taken into consideration. Horizontal pivots are calculated for expansion (X_3, X_5), slanted pivots for axial bend (X_4, X_6). Welded joints are calculated for the appropriate shearing forces. For economy reasons low-alloyed 14Г2 (14G2) or 15XCHД (15KhSND) steels are recommended for supports. Cold rolling of tees is permissible if the residual strain in outside support edges does not exceed 3.8%. Low-alloyed Cr.3 (St.3) steel is unsuitable for straight pivots. Tests showed that the support frames of reservoirs

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A104/A029

Design and Calculation of Supporting Frames of Horizontal High-Capacity
Reservoirs

up to 10 m³ should be made of nonreinforced supports; in the support frames of medium reservoirs reinforcement by pivot triangles and in high-capacity reservoirs pivot hexagons should be employed. The use of the data contained in this article will relieve designers of the necessity of making complicated static calculations with respect to supporting frames of high-capacity reservoirs. There are 5 figures and 3 Soviet references.

Card 4/8

LESSIG, Ye.N., kand.tekhn.nauk

Method of designing supporting diaphragms of horizontal vessels.

Stroi.truboprov. 6 no.7:12-13 J1 '61.

(MIRA 14:8)

(Tanks--Design and construction)

LESSIG, Ye.N., kand.tekhn.nauk

"Design and construction of steel tanks for petroleum products"
by M.K.Safarian, O.M.Ivantsov. Reviewed by E.N.Lessig. Stroi.
truboprov. 6 no.11:31 N '61. (MIRA 15:4)
(Petroleum products--Storage) (Tanks)
(Safarian, M.K.) (Ivantsov, O.M.)

LESSIG, Ye.N. (Moskva)

Calculations for the supporting ring of a horizontal tank reinforced
with a square built of rods. Stroi. mekh. i rasch. scor. 4 no.3:23-25
'62. (MIRA 15:6)

(Tanks)

KIKIN, A.I., prof.; BELENYA, Ye.I., prof.; STRELETSKIY, N.S., prof.,
doktor tekhn. nauk; LEBESIC, Ye.I., dots.; LOMHAROV, K.K., dots.;
DUBINSKIY, G.S., dots.; SHESTAK, G.A., dots.; IGNAT'YEVA, I.S.,
dots.; KRYAKOV, V.M., dots.; GUMBEV, A.M., prof.; VEDENIKOV,
G.S., dots.; TUBIN, S.M., kand. tekhn. nauk, nauchnyy red.;
BEGAK, B.A., red. izd-va; OSENKO, L.M., tekhn. red.

[Metal construction; present state and outlook for future
development] Metallicheskie konstruksii; sostoianie i pre-
spektivy razvitiia. Pod obshchei red. N.S.Streletskogo. Mo-
skva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materi-
alam, 1961. 333 p. (NIRA 15:4)

1. Moscow. Moskovskiy inzhenerno-stroitel'nyy institut.
2. Kafedra metallicheskih konstruksiy Moskovskogo inzhenerno-
stroitel'nogo instituta imeni V.V.Kuybysheva (for all except
Tubin, Begak, Osenko).
(Building, Iron and steel)
(Aluminum, Structural)

LESSIG, Ye.N.

Designing a light diaphragm for horizontal tanks. Stroil. truboprov.
8 no.12:17-19 D '63. (MIRA 17:4)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni inzhenerno-
stroitel'nyy institut imeni V.V.Kuybysheva, Moskva.

STRELETSKIY, Nikolay Stanislavovich, doktor tekhn. nauk, prof.;
PFLENYA, Yevgeniy Ivanovich, prof.; VEDENIKOV, Georgiy
Stanislavovich, dots.; MUKHANOV, Konstantin Konstantinovich,
dots.; LESSIG, Yevgeniy Nikolayevich, dots.; POPOV, S.A.,
kand. tekhn. nauk, nauchn. red.; LILEYEV, A.F., inzh.,
nauchn. red.

[Metal elements; a special course] Metallicheskie kon-
struktsii; spetsial'nyi kurs. Pod red. N.S.Streletskogo.
Moskva, Strolizdat, 1965. 366 p. (MIRA 19:1)

1. Chlen-korrespondent AN SSSR (for Streletskiy).

SOV/112-57-6-13242

Translation from: Referativnyy zhurnal. Elektrotehnika, 1957, Nr 6, p 231 (USSR)

AUTHOR: Lessing, L. P.

TITLE: Automatic Production of Radio-and-Electronic Equipment
(Avtomaticheskoye proizvodstvo radioelektronnoy apparatury)

PERIODICAL: Radiotekhn. proiz-vo, Nr 1, M., 1956, pp 76-78

ABSTRACT: Bibliographic entry.

Card 1/1

MEDINSKIY, G.M.; LESSMENT, L.K.; SAFRONOV, A.F.; TOKAREVICH, K.N.,
prof., nauchnyy rukovoditel'

Outbreak of leptospirosis infection among silver-black foxes.
Trudy Len.inst.epid.i mikrobiol. 20:166-170 '59. (MIRA 16:1)
(LEPTOSPIROSIS) (SILVER FOX—DISEASES AND PESTS)

LESSNER, Fridrikh

"His name and work will live through the ages." Nauka i zhizn'
30 no.6:10-11 Je '63. (MIRA 16:7
(Marx, Karl, 1818-1883)

BLASKOVIC, D.; ALBRECHT, P.; LACKOVIC, V.; LESSO, J.; RATHOVA, V.; STYK, B.

Rapid diagnosis of influenza by the fluorescent antibody method.
Acta virol. 7 no.2:192 Mr '63.

1. Institute of Virology, Czechoslovak Academy of Sciences, and
Sanitary-epidemiological Department, Bratislava.
(INFLUENZA) (FLUORESCENT ANTIBODY TECHNIC) (DIAGNOSIS, LABORATORY)

BLASKOVIC, D.; ALBRECHT, P.; LACKOVIC, V.; LESSO, J.; RATHOVA, V.;
STYK, B.

Use of the fluorescent antibody technique for the rapid diagnosis
of influenza in the course of an epidemic. Cesk. epidem. 12
no.3:129-139 My '63.

1. Virologický ústav CSAV a Hyg.-epid. oddiel pri Vojenskej
nemocnici, Bratislava.
(INFLUENZA) (FLUORESCENT ANTIBODY TECHNIC)

ALBRECHT, P.; BLASKOVIC, D.; JAKUBIK, J.; LESSO, J.

Demonstration of pseudorabies virus in chick embryo cell cultures and infected animals by the fluorescent antibody technique.
Acta virol. 7 no.4:289-296 J1 '63.

1. Institute of Virology, Czechoslovak Academy of Sciences,
Bratislava.

(HERPESVIRUS) (TISSUE CULTURE)
(FLUORESCENT ANTIBODY TECHNIC)
(VIRUS CULTIVATION) (ANTIGENS)

LESSO, J.; VOSKEBOVA, M.

Diagnosis of mumps and parotitic meningitis by the fluorescent antibody technique. Acta virol. (Praha) [Eng] 9 no.3:282-283 My'65.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava, and Children's Infectious Diseases Clinics of the Medical Faculty, Komensky University, Bratislava.

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929410018-7

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929410018-7"

CZECHOSLOVAKIA

LESTAN, Pavol; Helminthological Institute, Slovak Academy of Sciences (Helmintologicky Ustav Slovenskej Akademie Vied), Kosice.

"Investigation of the Penetration of Isonicotinehydrazide Through the Integument of *Ascaris Suum*."

Bratislava, Biologia, Vol 21, No 9, 1966, pp 671 - 675

Abstract: Penetration of a 7.3×10^{-2} M solution of isonicotinehydrazide through the integument of sexually mature *Ascaris suum* was investigated; the degree of penetration was evaluated according to its effect on the catalase system in the internal organs of the helminth. A 2 hour exposition increased the activity of the catalase system. The greatest amount of the chemical penetrates through the integument, and very little enters per os. 2 Tables, 4 Western, 5 Czech, 5 Russian, 1 Hungarian reference. (Manuscript received 23 May 66).

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LESTER, G.M.

Acquaintance of North American scientists of the colonial period
with M.V.Lomonosov's works and the St. Petersburg Academy of
Sciences. Vop.1st.est.1 tekhn. no.12:142-147 '62. (MIRA 15:4)
(Lomonosov, Mikhail Vasil'evich, 1711-1765)
(United States--Scientists)

ACCESSION NR: AP4043563

S/0146/64/007/004/0096/0102

AUTHOR: Butenin, N. V.; Lestav, A. I.

TITLE: The theory of the semigyrocompass

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 4, 1964, 96-102

TOPIC TAGS: gyroscope, free gyroscope, gyrocompass, navigation instrument, precession equation, gyroscope precession, Cardan mounted gyrocompass

ABSTRACT: This paper is a continuation of a study of the precession equations of the free gyroscope and the semigyrocompass carried out in 1952 by A. M. Letov. The authors have investigated theoretically and in great detail the motion of the semigyrocompass, as well as that of the dry-friction azimuthal Anschuetz gyroscope with spinning disk mounted in gimbal rings. The semigyroscope was rigidly fixed with respect to the ground, and the axis of the outer gimbal was positioned vertically. Orig. art. has: 4 figures and 12 formulas.

ASSOCIATION: Leningradskiy institut aviatsionnogo priborostroyeniya (Leningrad Institute of Aircraft Instrument Design)

Card 1/2

5/146/62/065/001/009/011
0234/0301

AUTHOR: Iestev, A.M.

TITLE: The motion of a statically balanced gyroscope in a Cardan suspension placed on a vibrating support

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priborostryeniye, v. 5, no. 1, 1962, 82-88

TEXT: The author considers the motion of a gyroscope, whose rotor has its center of inertia displaced with respect to the point of intersection of the axes of Cardan suspension and the moment due to this is compensated by an opposite displacement of the inner ring. It is assumed that: 1) Amplitudes of vibration of the support are small; 2) the center of inertia of the whole system coincides with the point of intersection of the axes of Cardan suspension; 3) friction and elastic deformations of the rotor, its axis and the axes of the suspension are not taken into account. Differential equations are formulated and solved approximately by expanding in powers of small parameters. Formulas for systematic deviations are obtained which coincide with those deduced by Ya.L. Lunts (Ref. 1: Priborostryeniye, 1960, no. 4) except for two misprints and the fact that the Card 1/2

The motion of a statically ...

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D234/D501

moments of inertia are determined by different expressions. It is found that in the case of suspension rings being perpendicular to each other the method of balancing considered does not increase the deviations. There are 1 figure and 2 Soviet-bloc references.

ASSOCIATION: Leningradskiy institut aviatsionnogo priborostroyeniya
(Leningrad Institute of Aircraft Instrument Construction)

SUBMITTED: May 30, 1961

Card 2/2

LESTEV, A.M.

Motion of a statically balanced gyroscope in gimbals set on a vibrating foundation. Izv.vys.ucheb.zav.; prib. 5 no.1:82-88 '62. (MIRA 15:2)

1. Leningradskiy institut aviatsionnogo priborostroyeniya.
Rekomendovana kafedroy teoreticheskoy mekhaniki.
(Gyroscope)

L 945-66 ENT(d)/FSS-2/EEC(k)-2/EED-2/ENA(c) BC

ACCESSION NR: AP5021443

UR/0146/65/008/004/0080/0084
531.53

AUTHOR: Lestev, A. M. 44

TITLE: On the theory of a gyroscopic pendulum 9,44

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 4, 1965, 80-84

TOPIC TAGS: gyroscope motion equation, pendulum motion

ABSTRACT: Precession theory is used in studying the motion of a gyroscopic pendulum with dry and viscous friction in the bearings of the Cardan rings without allowance for the smallness of the angles of deviation of the figure axis from the vertical. The motion of the figure axis of a gyropendulum which is stationary on the surface of the earth is considered with respect to the coordinate system $O\xi\eta\zeta$. The origin O is taken as the point of intersection of the Cardan axes. The $O\xi$ axis is directed along the meridian line to the north, the $O\zeta$ axis is directed upward along the vertical, and the $O\eta$ axis is selected so that the coordinate system $O\xi\eta\zeta$ is a right-hand system. It is assumed that the pendulum is located on the earth in such a way that the outer Cardan ring coincides with axis $O\xi$. The position of the fig-

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L 2945-66

ACCESSION NR: AP5021443

ure axis of the pendulum with respect to the coordinate system $O\xi\eta\zeta$ is determined by two angles: ψ --the angle of turn of the outer ring of the Cardan suspension with respect to the $O\xi$ axis, and θ --the angle of turn of the inside ring with respect to its axis of rotation. The precession motion equations for the gyropendulum are given. Patterns are given for the integral curves on the plane $\theta\psi$. These patterns can be compared to determine the effect of dry and viscous friction on the motion of the figure axis for the gyropendulum. Orig. art. has: 3 figures, 3 formulas.

ASSOCIATION: Leningradskiy institut aviatsionnogo priborostroyeniya (Leningrad Institute of Aviation Instrument Building)

SUBMITTED: 06Jun64

ENCL: 00

SUB CODE: ME, MA

NO REF SOV: 004

OTHER: 000

PC
Card 2/2

L 185/1-66 EWT(d)/EWT(1)/EWT(m)/EEC(k)-2/T JD/DJ/BC
 ACC NR: AP6002178 (N) SOURCE CODE: UR/0146/65/008/006/0098/0104

AUTHOR: Butenin, N. V.; Lestev, A. M.

ORG: Leningrad Institute of Aviation Instruments (Leningradskiy institut aviatsionnogo priborostroyeniya)

TITLE: Motion of dry-friction integrating gyroscope⁹

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 6, 1965, 98-104

TOPIC TAGS: gyroscope, integrating gyroscope

ABSTRACT: The motion of the axis of the figure of integrating gyroscope having two degrees of freedom and dry friction in its gimbal bearings is theoretically considered; the gimbal is mounted on a base that vibrates about the measuring axis. Differential equations describing the motion of the gyroscope figure axis are set up and solved, determining types and conditions of the motion, as well as the errors of the instrument. It is found that the dry-friction forces introduce certain peculiarities into the gyroscope motion. The base angular velocity may take on a critical value; if the angular velocity $\omega(t)$ is lower than critical, for all t , the motion comes to

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UDC: 531.383

L 18543-66

ACC NR: AP6002178

rest. With certain relations between the gyroscope parameters and vibration parameters, the dry friction brings about motions with prolonged rest periods. Asymmetry in the dry-friction forces causes systematic deviation of the figure axis from its initial position; in this case, the dry-friction forces cause maximum errors. Orig. art. has: 2 figures and 22 formulas.

SUB CODE: 17 / SUBM DATE: 08Mar65 / ORIG REF: 004 / OTH REF: 001

Cord 2/2 mgs

L 45501-66 EEC(k)-2/EWT(d)/EWT(1)/EWT(m)/FSS-2 FDN/BC/JD

ACC NR: AP6015582

SOURCE CODE: UR/0146/66/009/002/0095/0100

AUTHOR: Lestev, A. M.

ORG: Leningrad Institute of Aviation Instruments (Leningradskiy institut aviatsionnogo priborostroyeniya)

TITLE: Forced oscillations in a ^agyroscopic dry-friction tachometer

SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 2, 1966, 95-100

TOPIC TAGS: tachometer, gyro, *oscillation, forced oscillation*

ABSTRACT: Types of forced oscillations of the axis, their amplitude, and conditions of their existence are determined. The study is based on N. A. Zheleztsov's theorems (Appl. mathematics and mechanics, 1949, v. 13, no. 1). The axial motion of a gyro-tachometer mounted on a base that oscillates about the measuring axis with an angular velocity $\omega(t)$ is described by this equation: $I\ddot{\alpha} + C\dot{\alpha} = H\omega(t) + L(\alpha) + M$, where α is the angle of gimbal movement, H is the gyro kinetic moment, I is the moment of inertia of the gyrosystem with respect to the gimbal axis, C is the spring-stiffness factor, $L(\alpha)$ is the damping torque. M is the dry-friction torque. Formulas for the forced-oscillation amplitudes are developed. The dry-friction forces predicate forced oscillations with prolonged rest periods. Orig. art. has: 3 figures and 17 formulas.

SUB CODE: 20,14,17/ SUBM DATE: 10Dec64 / ORIG REF: 003

UDC: 531.383

res
Card 1/1

LESTEV, A. V.

"A Trawl and Its Resistance." Sub 7 Mar 47, Moscow Technical Inst
of the Fishing Industry and Economy imeni A. I. Mikoyan

Dissertations presented for degrees in science and engineering in
Moscow in 1947.

SO: Sum.No. 457, 18 Apr 55

LESTEV, A.V.

BARANOV, Yu.B.; BARANOVA, Ye.N.; BOBROVSKIY, V.I.; GRISHCHENKO, G.I.;
GONCHAR, G.V.; DOLBISH, V.S.; KALINOVSKIY V.S.; KARAKOTSKIY, Ye.D.,
KULICHEV, G.M.; KAGANOVSKAYA, S.M.; LESTEV, A.V.; METELIN, L.I.;
TIKHONRAVOV, V.M. [deceased]; DOLBISH, V.S., spotsred.; KUZ'MINA,
V.S., red.; KISINA, Ye.I., tekhn.red.

[Fishing equipment used in Far Eastern waters] Orudija rybolovstva
Dal'nnevostochnogo Basseina. Moskva, Pishchepromizdat, 1958. 214 p.
(MIRA 11:12)

(Soviet Far East--Fishing--Equipment and supplies)

LESNEV, V.A.

Methods of decreasing the incidence of dysentery: data from epidemiological practice. Sov. med. 19 no.1:73-77 Ja '55. (MLRA 8:4)

1. Iz otdelencheskoy sanitarno-epidemiologicheskoy stantsii, Uslovaya Moskovsko-Kursko-Donbasakoy zheleznoy dorogi.

(DYSENTERY, BACILLARY, prevention and control,
in Russia)

LESTEV, V.A.

Typhoid fever transmitted by milk; epidemiological considerations.
Zhmr. mikrobiol., epidem. i immun. 27 no.3:38-39 Mr' 56. (MIRA 9:7)

1. Iz Zheleznodorozhnoy sanitarno-epidemiologicheskoy stantsii.
(TYPHOID FEVER, transmission,
by milk (Rus))
(MILK,
transm. of typhoid fever (Rus))

LESTOVA, V. V.

"Diagnosis of Colitis in Infants," Top. Ped. i Onkran. Mater. i Met., 17, No. 3, 1949.

Lbr. Sect. Children Diseases, Leningrad Sci. Res. Pediatric Inst., -cl949-.

Lbr., Vasileostravskaya Hosp. Contagious Childrens Diseases, -cl949-.

LESTEVA, V.V.

Acute severe course of Werlhof's disease in a girl with chicken
pox. *Pediatrics* no.8:90-91 '62. (MIRA 15:10)

1. Iz ob'yedinennoy detskoy bol'nitsy imeni N.F.Filatova (glavnyy
vrach I.Kh.Sokolova).

(CHICKEN POX)
(PURPURA (PATHOLOGY))

MEL'NIK, M.A.; IVANOV, A.S.; PODGAYETSKAYA, M.O., kandidat meditsinskikh nauk; BABASEVA, Ye.P.; LESTOVETSKAYA, G.I.; MITSINSKIY, N.V.

Treating mycoses of the scalp with "Lesovaia" liquids nos 1 and 2 without using X rays. Report No.2. Vest.ven. i derm. 30 no.4:52-53 J1-Ag '56. (MLRA 9:10)

1. Iz mikologicheskogo otdeleniya Kiyevskogo gorodskogo kozhno-venerologicheskogo dispensera.

(ANTISEPTICS) (DERMATOMYCOSIS) (SCALP—DISEASES)

11F

CA

LESTROVAYA, N N.

Biological synthesis of asparagine and glutamine by trans-
amidation. S. R. Marlashev and N. N. Lestrova.
Doklady Akad. Nauk S.S.S.R. 78, 547-548 (1951).—Trans-
amidation in the presence of rat-liver tissue in O atm. at
30-7° at pH 8 or 6 took place as follows: Glutamic acid and

NH₄Cl gave no glutamine, but glutamic acid and aspartic
acid gave a pos. result at pH 8, while glutamic acid and
asparagine gave 200-300% higher yield; at pH 6 the results
were similar but aspartic acid gave a lower yield, while as-
paragine gave a much higher yield than that obtained in
alk. soln. Asparagine is synthesized from aspartic acid
and glutamine only at pH 6; all other combinations of re-
agents gave neg. results. Adenosine triphosphate has no
effect on the synthesis. The results indicate possible *in*
vitro synthesis of asparagine and glutamine by a similar
transamidation. Possibly the amino acid condenses with
the amide, followed by intramol. H transfer, rearrange-
ment, and cleavage to new amide and acid through inter-
mediacy of RC(OH):NCC(O)R'. G. M. Kozlovskii

LESTROVAYA, M.H.

New method for quantitative determination of asparagine and
glutamine. Vop.med.khim. 4:249-253 '52. (MIRA 11:4)

1. Kafedra biokhimii I Moskovskogo ordena Lenina meditsinskogo
instituta.

(ASPARAGINE) (GLUTAMINE)
(CHEMISTRY, ANALYTICAL--QUANTITATIVE)

LESTROVAYA, N. N.

Biological Chemistry

Dissertation: "Synthesis of Glutamine and Asparagin in tissues of the Animal Organism." Cand Biol Sci, First Moscow Medical Inst, Moscow, 1953. (Referativnyy Zhurnal--Khimiya, No 3, Feb 54)

SO: SUM 213, 20 Sept 1954

LESTROVA, N. N.

The synthesis of glutamine and asparagine in the tissues of the animal organism. N. N. LESTROVA (Inst. Moscow Med. Inst.). *Biokhimiya* 40, 470-471, 1965. The enzymic synthesis of glutamine and asparagine in tissues of the rat, pigeon, and rabbit is accomplished by a transfer of the amido group of the amide into a corresponding dicarboxylic amino acid. Thus, previous observations made in connection with the liver of the rat are verified. It appears possible, as was shown by others, that the synthesis of glutamine can be effected from glutamic acid and NH_4 salts in the tissues of the animal. The process of direct amination of glutamic acid appears to be of limited occurrence. L. has encountered none in the present study. B. S. Levine

Chin Biochem.

LESTROYAYA, M.M.; MARDASHEV, S.R.

Synthesis of phenylalanine and tyrosine peptides by chymotrypsine.
Vop.med.khim. 2 no.4:294-298 J1-Ag '56. (MLRA 9:10)

1. Kafedra biokhimii I Moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M.Sechenova.

(PROTEASES,

chymotrypsin, eff. on peptides & tyrosine synthesis
in vitro (Rus))

(PEPTIDES,

synthesis in vitro, eff. of chymotrypsin (Rus))

(TYROSINE,

same)

LESTROVAYA, N.N.; MARDASHEV, S.R.

Effect of certain halogen derivatives of phenylalanine on decarboxylases in *Streptococcus faecalis*. *Biokhimiia* 25 no.2:227-232 Mr-Apr '60. (MIRA 14:5)

1. Laboratoriya biokhimii mikrobov Instituta biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR, Moskva.
(ALANINE) (DECARBOXYLASES)
(STREPTOCOCCUS FAECALIS)

LESTROVAYA, N.N.

Biosynthesis of glutamine in animal tissues. Biokhimiia 26 no.3:
505-510 My-Je '61. (MIRA 14:6)

1. Institute of Biological and Medical Chemistry, Academy of Medical
Sciences of the U.S.S.R., Moscow.
(GLUTAMINE) (LIVER)

MARDASHEV, S.P.; MAMORINA, L.M.; LESTROVAYA, N.E.; BROKER, T.N.

Amino acid decarboxylases in bacteria of the intestinal group.
Zh. mikrobiol. 40 no.7:15-22 51'63 (MIRA 17:1)

1. Iz Instituta biologicheskoy i meditsinskoy khimii AN SSSR
i Instituta epidemiologii i mikrobiologii imeni Gamalei AN
SSSR.

LESTROVAYA, N.N.; NAZARUK, M.I.; SKRYABIN, G.K.

Dehydration and reduction of ring A Δ^6 -3-keto steroids by acellular preparations from *Mycobacterium globiforme*. Dokl. AN SSSR 163 no.3: 768-770 J1 '65. (MIRA 18:7)

1. Institut mikrobiologii AN SSSR. Submitted October 10, 1964.

LESTYAN, János

The conformation of the piperidine ring. Gábor Balazs and János Lestyan (Univ. Szeged, Hung.). *Magn. Res. Polym.* 37, 240-2 (1968). Cf. preceding abstr. — $N \rightarrow O$ Acyl migration expts. with 1-benzoyl-4-piperidinol proved that acyl migration takes place at a measurable rate above 100° in dioxane under the effect of excess HCl to yield *O*-benzoyl-4-piperidinol-HCl. At lower temps. only unchanged amide was recovered. Attempts to carry out the reversed $O \rightarrow N$ acyl migration failed, confirming the probability of the chair form of the piperidine ring against the tub form. The values derived from calcns. of dipole moments on 4-piperidinol approximated those obtained for conformations with far lying *N* and *O* atoms. Scopolamine can be converted into scopoline under very mild conditions, indicating that the C-3 O atom and the C-6 C atom are close to each other; thus the chair form seems to occur more often than the tub form in piperidine rings of the tropane system. István Fialy—

(1)

(1)

WESTYAN, J.

4

HUNG .

19. The stereochemistry of trivalent nitrogen -
Tanulmány a 3-értékű nitrogén térkémidjéről - F. Gábor,
 K. Koczka and J. Lestván. (Hungarian Journal of Chem-
 istry - *Magyar Kémiai Folyóirat* - Vol. 59, 1953, No.
 8, pp. 242-243)

Nor-3-syn-tropanol furnishes N-carbethoxy-methyl-
 nor-3-syn-tropanol when alkylized with o-toluene-sulfonyl-
 glycol-ethyl ester. The former is easily converted into its
 quaternary salt by means of CH_3I . This salt has been
 found to be identical with the diastereoisomeric form of
 the compound formed when N-methyl-nor-3-syn-tropanol
 was treated with iodo-acetic ethyl ester. The selectivity
 of the course of subsequent twofold alkylation is regarded
 by the authors as conclusive evidence for the configurative
 stability of twice rigidly bound nitrogen. Furthermore, it
 may be taken as the preparative proof for the tetra-
 hedral valency orientation of the tertiary nitrogen. These
 conclusions fully agree with the findings of Lennard-
 Jones, based upon quantum-theoretical considerations.

MS

LESTYAN, J.

med
381. Stereochemistry of tropane alkaloids. IX. Selective quaternization of tropan-3 α -ol and tropan-3 β -ol and of their derivatives. G. Fodor, K. Koczka, and J. Lestyán *J. Chem. Soc.*, 1958, 1411-1417 (Inst. of Organic Chem., The University, Szeged, Hungary).
J. H. ASHBY

3

LESTYAN J.

USSR / Organic Chemistry. Theoretical and General Problems of Organic Chemistry.

3-I

Abs Jour : Ref Zhur - Khimiya, No 6, 1957, No 18994

Author : Fodor G., Kochka K., Leshtian I., Tot I., Khal'mosh G., Kovach O., Vinche V.

Inst : Not given

Title : Absolute Configuration of Some Tertiary Amines and Tetraammonium Salts.

Orig Pub : Uspekhi khimiyi, 1956, 25, No 7, 894-902

Abstract : Review of the work by the authors on the study of the spherical orientation of the bonds of nitrogen and the determination of absolute and relative configuration of tertiary amines and salts of tetraammonium bases in Bibliography with 24 titles.

Card : 1/1

HUNGARY/Organic Chemistry. Theoretical and General Questions on Organic Chemistry

G-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43177.

Author : Fodor Gabor, Kovacs Odon, Toth Jozsef, Koczka Karoly, Koczor Istvan, Vincze Iren W., Lestyan Janos, Halmos Miklos, Dobo Pal.

Inst :

Title : Recent Methods and Advances in Stereochemistry of Organic Compounds

Orig Pub: Magyar tud. akad. Kem. tud. oszt. kozl., 1957, 9, No 1, 77-91.

Abs tract: A review, mostly of the work of the authors. Bibliography 58 references.

Card : 1/1

L. TYAN, DA JOR.

Zug a nadas. (2. kiad. Budapest) Ifjusagi könyvkiado (1954) 157 p. (line
reeds whisper. 2d ed. illus.)

SO: Monthly Index of East European Accession (E AE) IC. Vol. 7, no. 5, 1956

ARIYEVICH, A.M., Prof.; STEPANISHCHEVA, Z.G., kand. biol. nauk.; UMNOVA, I.I.,
kand med. nauk.; LESUN, L.G.; YEGOROVA, Ye.V.

Fungus diseases of the foot and measures for prevention and control.
Sov. med. Zl no.7:135-138 J1 '57. (MIRA 12:3)

1.. Iz mikologicheskogo otdela (zav. - prof. A.M. Ariyevich) Tsentral'-
nogo kozhno-venerologicheskogo instituta (dir. - dots. N.M. Turanov)
Ministerstva zdavookhraneniya RSFSR.

(FOOT, dis.

fungus dis., prev. & control (Rus))

(RINGWORM, prevention and control,
foot (Rus))

LMSUN, L.O., aspirant

Fungus diseases of the foot in children [with summary in English].
Vest.erm. i ven. 31 no.6:17-20 N-D '57. (MIRA 11:3)

1. Iz mikologicheskogo otdela (zav. - prof. A.M.Ariyevich) Tsentral'-
nogo kozhno-venerologicheskogo instituta (dir - kandidat meditsinskikh
nauk N.M.Turanov) Ministerstva zdavookhraneniya RSFSR.

(FOOT, dis.

ringworm in child.)

(RINGWORM, in inf. and child
foot)

ARIYEVICH, A.M.; LESUN, L.G.

Current status of the problem of mycoses of the foot; review of the literature. Vent. dermat. 1 ven. 33 no.1:31-41 Ja-F '59. (MIRA 12:3)

1. Iz mikrobiologicheskogo otdela (zav. - prof. A.M. Ariyevich) Tsentral'nogo kozhno-venerologicheskogo instituta (dir. - dots. N.M. Turanov) Ministerstva zdravookhraneniya RSFSR.

(FUNGUS DISEASES

foot, review (1959))

(FOOT, dis.

fungus dis., review (1959))

LESEN, L. A. Синтез - (сис) "Новел идеи" - (сис) "Новел идеи",
Павлов, 1960, 15 п., (Синтез - (сис) "Новел идеи" - (сис) "Новел идеи",
Павлов).

(EL, 38-60, 110)

UMNOVA, I.I., starshiy nauchnyy sotrudnik; LESUN, L.G., aspirant

Detection of adult patients with chronic trichophytosis. Vest.
derm.i ven. 34 no.10:52-53 '60. (MIRA 13:11)
(RINGWORM)

LESUN, L.G.

Prevention of fungus diseases of the foot in children.
Pediatria 38 no.1:69-72 '60. (MIRA 13:10)
(DERMATOMYCOSIS) (FOOT—DISEASES)

LRSUN, L. G. -----

Role of familial infection in the epidemiology of foot mycoses
in children. Vest. dermat. i ven. no. 6: 33-37 '61.

(MIRA 15:4)

1. Iz mikologicheskogo otdela (zav. - prof. A. M. Ariyevich)
TSentral'nogo nauchno-issledovatel'skogo kozhno-venerologi-
cheskogo instituta (dir. - kandidat meditsinskikh nauk N. M.
Turanov) Ministerstva zdravookhraneniya RSFSR.

(FOOT-DISEASES) (DERMATOMYCOSIS)

LESUN. L.G.

Prevention of fungous diseases of the feet in children.
Pediatrics 38 no.4:69-72 Apr '60. (MIRA 16:7)

1. Iz mikrobiologicheskogo otdela (zav.-prof. A.M.Ariyevich)
TSentral'nogo kozhno-venerologicheskogo instituta (dir.- kand.
med.nauk N.M.Turanov) Ministerstva zdravookhraneniya RSFSR.
(FOOT-- CARE AND HYGIENE) (MEDICAL MYCOLOGY)

LESUN, L.G., kand. med. nauk

Melkersson-Rosenthal syndrome. Vest. dermat. i ven. 37 no.5:69-70
My '63. (MIRA 17:5)

1. Grodnenskiy meditsinskiy institut.

LESUN, L.G., kand.med.nauk

Mosaic fungi. Vest. dermat. i ven. 37 no. 10:26-28 9 '63. (MIRA 17:9)

1. Grodnenskiy meditsinskiy institut (rektor - dotsent L.F.Supron).

LESON, Leonid Georgiyevich; GUTERMAN, O., red.

[Fungus diseases of the feet] Gribkovye zabolovaniya
stop. Minsk, Belarus', 1965. 158 p. (MIRA 19:1)

BAZILEVSKAYA, Z.V.; LESUN, Z.V.; MEYKHAUZ, V.I.

Classification of scoliosis. Ortop., travm. i protez. 26
no.12:77-78 D '65.

(MIRA 19:1)

1. Iz Irkutskogo instituta travmatologii i ortopedii. Adres
avtorov: Irkutsk, ul. Bortsov Revolyutsii, d.1., Institut
travmatologii i ortopedii. Submitted March 26, 1965.

Lesunov, I. I.,

document

AUTHORS: Lesunov, I.I., and Pis'mennikov, v.Ye. 130-12-12/24

TITLE: Bulldozer for Clearing Slag Pockets (Bul'dozer na ochistke shlakovikov)

PERIODICAL: Metallurg, 1957, no.12, pp. 21 - 22 (USSR).

ABSTRACT: A brief account is given of a modified type C-80 tractor which is used at the Nizhniy-Tagil Metallurgical Combine for breaking open the slag pockets, breaking up the slag and removing the slag. With the aid of the bulldozer, the clearing operation is completed in 3 - 12 hours, the slag depth being 2.5 - 3.5 m and the pocket length and width being 8 and 2.4 - 3.2 m, respectively. Previous times were 1.5 - 2 days. There are 3 figures.

ASSOCIATION: Nizhniy-Tagil Metallurgical Combine (Nizhne-Tagil'skiy metallurgicheskiy kombinat)

AVAILABLE: Library of Congress
Card 1/1

*LESUNOV I. I. document
Engineering Metallurgy*

LESUNOV I.I.

DUBROVSKIY, A.A., inzhener; LESUNOV, I.I., inzhener; LEVINSKIY, T.A., tekhnik.

Rapid method of general overhaul of a 260 ton open hearth furnace.
Stal' 16 no.12:1127-1130 D '56. (MIRA 10:9)

1. Novo-Tagil'skiy metallurgicheskiy zavod i trest "Uralskremont."
(Open-hearth furnaces--Maintenance and repair)

S/046/63/009/001/006/026
B104/B186

AUTHORS: Il'ichev, V. I., Lesunovskiy, V. P.
TITLE: The noise spectra during hydrodynamic cavitation
PERIODICAL: Akusticheskiy zhurnal, v. 9, no. 1, 1963, 32-36

TEXT: In this review article results of Soviet and non-Soviet papers on hydrodynamic cavitation published between 1935 and 1961 are discussed. On the basis of a statistical model of hydrodynamic cavitation (V. R. Levin, Teoriya sluchaynykh protsessov i yeye primeneniye v radiotekhnike - The theory of random processes and its use in radio engineering, M., Sov. radio, 1960) the noise spectral density is calculated. It is found that under given flow conditions there exist discrete components; in the cavitation noise spectra amplitude and frequency interval between these components are determined by the flow characteristics and the flow around the body. At sufficiently high frequencies the power spectral density of the cavitation noise decreases reciprocally to the square of the frequency. These results coincide

Card 1/2

The noise spectra during ...

S/046/63/009/001/006/026
B104/B186

qualitatively with experimental results. There are 14 references.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moskva (Institute of
Acoustics AS USSR, Moscow)

SUBMITTED: February 25, 1962

Card 2/2

LEVYUCHENKOVA, N. V.

USSR/Chemistry - Glycols, Synth. 13

4

"The Synthesis of Gamma-Acetylene Glycols," A. D. Petrov, *Chem. Abstr.*, Acad. Sci. USSR, Ye. V. Mitrofanova, N. V. Levyuchenskaya, 3 pp

"Dokl. Ak. Nauk SSSR" Vol. LXVIII, No. 1

As an example of synthesis of gamma-acetylene glycols by Favorskiy-Clayton reaction from dipropylketone, isopropylketone, diisopropylketone, and cyclohexanone, it was shown that, in the case of ketones which do not contain the methyl group, this synthesis can be carried out (1) efficiently (2) without a solvent, (2) with twice the amount of F.H. required by the rx, and (3) at high temperature (over 100°C). Obtained isopropylglycolacetone and its oxidation product, diacetone glycol ($C_8H_{16}O_4$), for first time. Submitted 1 Jul 49.

PA 2/50750

27

CA

The effect of intermediate heating of solvent on the rate of oil extraction. V. A. Pavlov, *U.S.S.R. Chem. Ind. (Eng. Ed.)*, No. 1, 1968, p. 13. In the case of unflow, continuous and intermittent extraction of benzene and intermediate heating of partially solid solvent by the Skopov method, at 40-50°C, the rate of extr. increases from 20 to 30%. The practical optimum temp. is 40°C. A tubular heating unit is illustrated. (U.S.S.R. Chem. Ind. (Eng. Ed.) 1968, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 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2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203,

Oil from the seeds of *Lallemantia iberica* F. M., fam. Labiatae, and its industrial utilization. A. A. Lesyurs. *Moskovskoe Zhurno Dala* 15, No. 1, 6 (1963). The improved methods of cultivation of the plant and extr. of seed oil are discussed. The dry seeds contain 35.6% oil, contg. oleic acid 8.4, linoleic 21.8, linolenic 50.7 and satd. acids 13 and non-saponifiable matter 0.7%. Its const. are: d_4^{20} 0.934, n_D^{20} 1.484, viscosity 5.86", abs. viscosity 14.04 cc., acid no. 0.5, sapon. no. 180.0, I no. 192.1, the velocity of drying 124 hrs. at 18°. In its drying and blanching properties the fresh and polymerized oil is superior to linseed oil. Cf. Dorn and Urastova, C. 1. 30, 1879.

21

Extraction of oil from *Lallemantia* seeds with the aid of
worm-screw press. A. A. Lesyuis. *Mathematika Zhurnal*
Dokl. 13, No. 4, p. 10 (1939); cf. C. A. 33, 1939. — A good
grade of stand oil can be obtained from the whole seeds or
roasted seedmeal of *Lallemantia* species by extr. in the
worm-screw press and refining with 20% excess of 10%
NaOH. The oil can be decolorized with charcoal or by
heating at 200–240°. Chas. Blum.

450 550 METALLURGICAL LITERATURE CLASSIFICATION

AA

Dielectric properties of Lallemandia oil - A. A. Leysin.
Makholova Zhurnal Priro 15, No. 6, 1948(1949). Preliminary comparative tests showed that the dielectric strength of raw and polymerized Lallemandia oil is higher than that of linseed and perilla oils. Chas. Blane.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION
SECTION ONE DESIGN
SUBSECTION TWO
SERIES AND VOLUME NO.
COLLECTIONS

27

Tobacco-seed oil. A. Leszynski. *Machschol's Zeitschr. Pat.* 10, No. 1, 12-13 (1909). Seed tobacco seeds contain 41.5% oil, containing 91.3% of fat acids with the composition of linoleic acid (60), oleic acid (21.7) and stearic acids (18.2). The sapon. of oil is best effected below 100° to prevent the contamination with a little nicotine contained in the seeds. The oil gives a good drying oil comparable in its qualities to oxidized linseed oil. Chas. Blanc.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

21

Influence of preparation method and preliminary purification on quality of lallemandia oil. A. Leysun. *Makobina-Zhurnal* From. 10, No. 56, 15-17 (1940). By pressing lallemandia seed in 2 stages with only mild heating (about 40° and not above 60°) a pale oil is obtained which is easily deslimed by treatment with 10% by wt. of water, followed by filtration. No other refining or decolorizing is needed; the color of the oil is 34 (1 scale), and no. below 2, ash content below 0.3, viscosity at 20° about 6.7 Engler. A similar treatment should be effective for linseed oil. Julian F. Smith

ASB 13.4 DETALLURGICAL LITERATURE CLASSIFICATION

1. LESYUYS, A. A.
2. USSR (600)
4. Refractometer
7. Refractometric method of determining oil content. Masl.zhir.prom. 17 no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

LJSYUIS, A.A., kandidat tekhnicheskikh nauk.

Purification of sunflower seed oil with simultaneous production of edible phosphatides. Masl.-shir.prom. 18 no.10:9-10 '53. (MLRA 6:11)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya Ukrglavrasshirmaslo.
(Sunflower seed oil) (Phosphatides)

Lesyuis, A. A.

C. V. Lesyuis, A. A., and Semendyaeva, T. K.: *Perevalozka
impor (Reprocessing of Rape). Moscow: Vshchelipromiz-
dat. 1954. 42 pp.*

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LESTUIS, A.A., kandidat tekhnicheskikh nauk.

Processing rapeseed. Masl.-zhir.prom. 20 no.1:29 '55.
(MLRA 8:3)

1. TSNIL Ukrglavraszhirmaslo.
(Rape oil)

LESYUIS, A.A.

USSR 1

/ Rapid quantitative method for the determination of
nickel in hydrogenated fat. A. A. Lesyuis and Y. E.
Ivchinskii. *Metallurgiya* No. 3,
25-7(1965).--The gravimetric dimethylglyoxime method
for detn. of Ni in hydrogenated fat is compared with a
colorimetric one similar to that of Kulberg, *et al.*, *Anal.* 49
7264b. Vladimir N. Krukovsky.

10
9/1

BUKHARINA, N. Ye., inzhener; LESYUIS, A. A., kandidat tekhnicheskikh nauk

Ukrainian bleaching earths. Masl.-zhir.prom. 20 no.3:31 '55.
(MIRA 8:7)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya
"Ukravlaszhirnaslo"
(Bleaching agents)

Лесуля А.А.

CH Production of washing powders by atomization from an autoclave. A. A. Lesyula. Maslobolno-Zhircovaya Press. 21, No. 8, 10-20 (1956).—Description with diagrams of app. — for manufg. washing powders by spray-drying. Vladimir N. Krukotsky.

DEMIDOVA, Ye.D., inzhener; LESTUIS, A.A., kandidat tekhnicheskikh nauk.

Formation of sediment in colognes and perfumes. Masl.-zhir.prom.
21 no.8:23-24 '55. (MLRA 9:3)

1. Khar'kovskaya parfyumerno-kosmeticheskaya fabrika (for Demidova);
2. TSentral'naya nauchno-issledovatel'skaya laboratoriya Ukrglavzhirmasle (for Lestyuis).

(Perfumes)

LESYUIS, A., inzhener; GLEBOV, S., inzhener.

LPG quick-acting moisture meter. Muk.-elev.pron. 22 no.4:16
Ap '56. (MLRA 9:8)

1. UkrGlavraszhirmaslo.
(Grain elevators--Equipment and supplies)(Moisture)

LESTYUIS, A.A., kandidat tekhnicheskikh nauk; TANIHA, A.M., inzhener.

For large-scale use of bleaching earth resources of the Ukrainian
S.S.R. Masl.-zhir.prom. 23 no.7:17-18 '57. (MLRA 10:8)

1.Ukrainskiy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.
(Ukraine--Bleaching agents)

LESYUIS, A.A., kand.tekhn.nauk; KOVALENKO, N.P., inzh.

Storing expeller cake before extraction. Masl.-zhir. prom. 23
no.9:13-14 '57. (MIRA 10:12)

1.Ukrainskiy nauchno-issledovatel'skiy institut myasnoy promyshlennosti
(for Lesyuis) 2.Poltavskiy maslozhirkombinat (for Kovalenko) . .
(Oilseeds)

LESYUIS, A. A.

LESYUIS, A.A., kand. tekhn. nauk; KICHIGIN, V.P., inzh.

Ukrainian oils and fats industry on the fortieth anniversary of
the October Revolution. Masl.-zhir. prom. 23 no.11:18-22 '57.

(Ukraine--Oil industries--History)

(MIRA 11:1)

LESYUIS, A.A., kand. tekhn. nauk

Problem of manufacturing aromatic sunflower seed oil. Masl.-
zhir.prom. 25 no.2:12-13 '59. (MIRA 12:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut maslozhirovoy
promyshlennosti. (Sunflower seed oil)

LESTUIZ, A.A., kand.tekhn.nauk

Processing sunflower seeds without removing hulls. Masl.-zhir.
prom. 25 no.3:13-15 '59. (MIRA 12:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut maslozhirovoy
promyshlennosti. (Sunflower seed)

LESYUIS, A.A., kand.tekhn.nauk; SIGANUR, I.Sh.

Our suggestions for improving the management of oil and fat extraction plants. Masl.-zhir.prom. 25 no.4:27-28 '59.
(MIRA 12:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut myanoy promyshlennosti.

(Oil industries)

OVCHARENKO, V.Ye., inzh.; LESYUIS, A.A., kand.tekhn.nauk; KICHIGIN, V.P.,
inzh.

Possibility of a combined extraction of essential and fixed
oils from coriander seeds. Masl.-zhir.prom. 25 no.8:31-33
'59. (MIRA 12:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut maslozhirovoy
promyshlennosti (for Ovcharenko, Lesyuis). 2. Gosplan USSR (for
Kichigin).

(Coriander)